

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN112124\
 Data File : VN084993.D
 Acq On : 21 Nov 2024 13:06
 Operator : JC\MD
 Sample : VSTDCCC020
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VSTDCCC020EC

Manual Integrations
 APPROVED

Reviewed By : John Carlone 11/21/2024
 Supervised By : Mahesh Dadoda 11/22/2024

Quant Time: Nov 21 14:43:49 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N103124W.M
 Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
 QLast Update : Fri Nov 01 02:38:04 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Bromochloromethane	7.812	128	28886	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.100	114	153482	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.865	117	139091	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.577	65	68887	29.664	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery =	98.867%		
60) 4-Bromofluorobenzene	12.847	95	70386	29.390	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery =	97.967%		
63) Toluene-d8	10.565	98	195160	29.639	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery =	98.800%		
Target Compounds					Qvalue	
2) Dichlorodifluoromethane	2.118	85	34647	20.622	ug/l	95
3) Chloromethane	2.359	50	38223	18.896	ug/l	95
4) Vinyl Chloride	2.512	62	37325	19.872	ug/l #	89
5) Bromomethane	2.901	94	18486	19.390	ug/l	95
6) Chloroethane	3.059	64	24682	20.014	ug/l	92
7) Trichlorofluoromethane	3.459	101	62253	20.408	ug/l	100
8) Diethyl Ether	3.953	74	22187	20.391	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.348	101	35229	20.435	ug/l	97
10) 1,1-Dichloroethene	4.318	96	32625	19.380	ug/l	92
11) Methyl Iodide	4.577	142	42675	18.444	ug/l	91
12) Methyl Acetate	5.018	43	47955	18.275	ug/l	94
13) Acrolein	4.177	56	35663	110.211	ug/l #	64
14) Acrylonitrile	5.718	53	86705	101.004	ug/l	98
15) Acetone	4.424	58	23843	108.097	ug/l	94
16) Carbon Disulfide	4.689	76	89960	18.161	ug/l	100
17) Allyl chloride	5.006	41	53993	18.823	ug/l	95
18) Methylene Chloride	5.265	84	37623	19.072	ug/l	98
19) trans-1,2-Dichloroethene	5.783	96	33662	19.077	ug/l	96
20) Diisopropyl ether	6.671	45	112205	19.540	ug/l	98
21) 1,1-Dichloroethane	6.559	63	66983	19.397	ug/l	97
22) cis-1,2-Dichloroethene	7.483	96	40462	19.207	ug/l	98
23) tert-Butyl Alcohol	5.536	59	35915	119.841	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	106871	19.631	ug/l	98
25) Chloroform	7.959	83	70494	19.924	ug/l	98
26) Cyclohexane	8.253	56	52351	19.846	ug/l #	99
29) 1,1-Dichloropropene	8.365	75	45586	19.719	ug/l	100
30) 2-Butanone	7.483	43	117104	109.815	ug/l	99
31) 2,2-Dichloropropane	7.489	77	60506	21.441	ug/l	97
32) 1,1,1-Trichloroethane	8.165	97	65090	20.725	ug/l	98
33) Carbon Tetrachloride	8.359	117	54482	20.329	ug/l	96
34) Benzene	8.600	78	151151	19.781	ug/l	99
35) Methacrylonitrile	7.771	41	26237	20.759	ug/l	92
36) 1,2-Dichloroethane	8.665	62	52361	20.606	ug/l	100
37) Trichloroethene	9.347	130	34430	19.973	ug/l	93
38) Methylcyclohexane	9.594	83	45253	18.184	ug/l	96
39) 1,2-Dichloropropane	9.618	63	36119	19.636	ug/l	98
40) Dibromomethane	9.706	93	27038	21.012	ug/l	97
41) Bromodichloromethane	9.882	83	53878	19.531	ug/l	99
42) Vinyl Acetate	6.600	43	400230	100.410	ug/l	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	45449	20.283	ug/l	97
44) Isopropyl Acetate	8.688	43	92397	20.364	ug/l	96
45) 1,4-Dioxane	9.694	88	13107	432.696	ug/l	96
46) Methyl methacrylate	9.677	41	35544	19.494	ug/l	91
47) n-amyl Acetate	12.494	43	65572	19.351	ug/l	98
48) t-1,3-Dichloropropene	10.835	75	52216	19.170	ug/l	99
49) cis-1,3-Dichloropropene	10.312	75	56649	19.405	ug/l	93
50) 1,1,2-Trichloroethane	11.018	97	36016	20.866	ug/l	96
51) Ethyl methacrylate	10.871	69	51755	19.452	ug/l	98
52) 1,3-Dichloropropane	11.159	76	61338	20.473	ug/l	100
53) Dibromochloromethane	11.359	129	40723	20.161	ug/l	96
54) 1,2-Dibromoethane	11.465	107	35101	20.107	ug/l	97
55) 2-Chloroethyl vinyl ether	10.159	63	124944	95.787	ug/l	99
56) Bromoform	12.576	173	26655	19.687	ug/l	97
58) 4-Methyl-2-Pentanone	10.441	43	239631	109.205	ug/l	100
59) 2-Hexanone	11.194	43	173896	108.224	ug/l	99
61) Tetrachloroethene	11.100	164	28647	19.679	ug/l	92
62) Toluene	10.629	91	159783	20.169	ug/l	98
64) Chlorobenzene	11.888	112	95430	19.954	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.959	131	37057	21.084	ug/l	96
66) Ethyl Benzene	11.959	91	159442	19.151	ug/l	95
67) m/p-Xylenes	12.071	106	126941	39.825	ug/l	99
68) o-Xylene	12.394	106	61920	20.138	ug/l	98
69) Styrene	12.412	104	99744	19.347	ug/l	99
70) Isopropylbenzene	12.694	105	150387	19.689	ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.935	83	54318	21.940	ug/l	96
72) 1,2,3-Trichloropropane	12.988	75	42678m	20.188	ug/l	
73) Bromobenzene	12.982	156	38343	19.463	ug/l	97
74) n-propylbenzene	13.035	91	173761	19.455	ug/l	100
75) 2-Chlorotoluene	13.123	91	114497	19.685	ug/l	97
76) 1,3,5-Trimethylbenzene	13.170	105	130063	19.930	ug/l	98
77) t-1,4-Dichloro-2-butene	12.735	75	15937	18.381	ug/l	94
78) 4-Chlorotoluene	13.218	91	113082	19.243	ug/l	99
79) tert-butylbenzene	13.435	119	110417	20.459	ug/l	96
80) 1,2,4-Trimethylbenzene	13.482	105	130269	19.786	ug/l	99
81) sec-Butylbenzene	13.618	105	145013	19.500	ug/l	100
82) p-Isopropyltoluene	13.729	119	119914	19.190	ug/l	99
83) 1,3-Dichlorobenzene	13.735	146	70695	19.404	ug/l	97
84) 1,4-Dichlorobenzene	13.812	146	68398	18.999	ug/l	97
85) n-Butylbenzene	14.053	91	94390	17.986	ug/l	99
86) Hexachloroethane	14.329	117	25524	19.973	ug/l	98
87) 1,2-Dichlorobenzene	14.106	146	71765	19.989	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.717	75	11036	23.103	ug/l	95
89) 1,2,4-Trichlorobenzene	15.841	180	31524	18.033	ug/l	97
90) Hexachlorobutadiene	15.500	225	16347	21.408	ug/l	92
91) Naphthalene	15.641	128	99167	17.764	ug/l	98
92) 1,2,3-Trichlorobenzene	15.841	180	31524	18.033	ug/l	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

